

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-182465
 (43)Date of publication of application : 07.07.1998

(51)Int.Cl.

A61K 31/557
 // C07C405/00

(21)Application number : 09-365946
 (22)Date of filing : 24.12.1997

(71)Applicant : ALCON LAB INC
 (72)Inventor : BISHOP JOHN E
 DESANTIS JR LOUIS
 SALLEE VERNEY L
 PETER G CLINKO
 ZINKE PAUL W

(30)Priority

Priority number : 93 101598 Priority date : 03.08.1993 Priority country : US

(54) TOPICAL OPHTHALMIC PHARMACEUTICAL COMPOSITION FOR TREATING GLAUCOMA AND OCULAR HYPERTENSION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject composition capable of manifesting excellent lowering of the intraocular tension without causing remarkable adverse side effects by making the composition include a specific compound therein.

SOLUTION: This composition contains a therapeutically effective amount of a compound represented by the formula [R1 is H, a 1-12C alkyl, a 1-12C acyl, a 3-8C cycloalkyl, etc.; R2 and R3 are each H or a 1-5C alkyl; X is O, S or CH2; the overlapped part of the solid line and the broken line is a single bond or a cis-trans double bond for an α chain (upper chain) and a single bond or a trans double bond for an ω chain (lower chain); R9 and R11 are each H, a 1-10C alkyl or a 1-10C acyl; Y is O, H, OR15 (R15 is H or a 1-10C alkyl), etc.; Z is Cl or CF3], preferably selected from 3-oxacloprosteno, 13,14- dihydrofluprostenol and pharmaceutically permissible esters and salts thereof. The concentration of the compound is preferably about 0.00003 to about 0.0003%.

